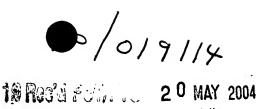
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Page 1

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Val Lys Glu Ser Pro His Glu Arg Met His Arg His Ile Glu Leu Ala 100 105 110

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His Phe Tyr Arg Ser Leu Val Ser His Lys Thr Asp Arg Gln Phe Gln
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Val	Ile	Phe	Leu	Leu	Cys	Phe	Val	Pro		Asn Page	_	Thr	Leu	Ala	Val

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			Pag	ge 8	

245 .

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Asp Lys 1le Leu Val Asp Asp Arg Thr Ser Met Val Pro Gly Ser Gln Ala Pro Thr Ser Trp Ile Ser Glu Ser Gln Gln Thr Thr Glu Val Leu Thr Arg Ile Lys Glu Ile Gln Gln Thr Thr Thr Thr Arg Ile Lys Glu Ile Gln Phe Pro Thr Trp Thr Pro Asp Gln Tyr Leu Arg Gly Gly Leu 145 Interpretation Interpretation	95 Gln Asp Val Ser Arg Arg Cys Ala 160
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Thr Thr Phe Ser Leu Glu Gln Pro Arg Cys Val Phe Asp Gly Leu Ala

Page 14

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		Cys														377
пъ	116	95	ASII	пеп	110	ASII	100	Jei	пси	AIG	THE	105	Dea	nia	ЛЭР	
- ~ +	~~+		~~~	~+~	+~~	++~		220	200	000	~~~		act	+ ~ ~	tas	447
_		tat														44/
ser	_	Tyr	ASP	val	irb		GIÀ	ASII	ser	Arg	_	ASII	1111	пр	Ser	
	110					115					120				.	405
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Gln	Gly	Thr	Thr	Ile	Ala	Phe	Ile	Ala	Phe	Ser	Thr	Asn	Pro	Glu	Leu	
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Lys	Tyr	Thr	Gln	Ser	Pro	Met	Lys	Lys	Leu	Thr	Thr	Leu	Ser	Arg	Arg	
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_	-	Lys	_	_	=			_								
		_		225					230			•				
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yaa	au La	aca (gylai	ccca	ay a	- 4 (July	. aa	_	age		9	~eg (200

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Ser											:					
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<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (147)...(863)

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ggateggeea gagttaetee gaggtg atg age etc aac gag eac tee atg 170
Met Ser Leu Asn Glu His Ser Met

1 5

cag gcg ctg tcc tgg cgc aag ctc tac ttg agc cgc gcc aag ctt aaa 218

Gln	Ala	Leu	Ser	Trp	Arg	Lys	Leu	Tyr	Leu	Ser	Arg	Ala	Lys	Leu	Lys		
	10					15					20						
gcc	tcc	agc	cgg	acc	tcg	gct	ctg	ctc	tcc	ggc	ttc	gcc	atg	gtg	gca	26	6
Ala	Ser	Ser	Arg	Thr	Ser	Ala	Leu	Leu	Ser	Gly	Phe	Ala	Met	Val	Ala		
25					30					35					40		
atg	gtg	gag	gtg	cag	ctg	gac	gct	gac	cac	gac	tac	сса	ccg	ggg	ctg	31	4
Met	Val	Glu	Val	Gln	Leu	Asp	Ala	Asp	His	Asp	Tyr	Pro	Pro	Gly	Leu		
				45					50					55			
ctc	atc	gcc	ttc	agt	gcc	tgc	acc	aca	gtg	ctg	gtg	gct	gtg	cac	ctg	36	2
Leu	Ile	Ala	Phe	Ser	Ala	Cys	Thr	Thr	Val	Leu	Val	Ala	Val	His	Leu		
			60					65		•			70				
ttt	gcg	ctc	atg	atc	agc	acc	tgc	atc	ctg	ccc	aac	atc	gag	gcg	gtg	41	.0
Phe	Ala	Leu	Met	Ile	Ser	Thr	Cys	Ile	Leu	Pro	Asn	Ile	Glu	Ala	Val		
		75					80					85					
agc	aac	gtg	cac	aat	ctc	aac	tcg	gtc	aag	gag	tcc	ccc	cat	gag	cgc	45	8
Ser	Asn	Val	His	Asn	Leu	Asn	Ser	Val	Lys	Glu	Ser	Pro	His	Glu	Arg		
	90					95					100						
atg	cac	cgc	cac	atc	gag	ctg	gcc	tgg	gcc	ttc	tcc	acc	gtc	atc	ggc	50	6
Met	His	Arg	His	Ile	Glu	Leu	Ala	Trp	Ala	Phe	Ser	Thr	Val	Ile	Gly		
105					110					115					120		
acg	ctg	ctc	ttc	cta	gct	gag	gtg	gtg	ctg	ctc	tgc	tgg	gtc	aag	ttc	55	4
Thr	Leu	Leu	Phe	Leu	Ala	Glu	Val	Val	Leu	Leu	Cys	Trp	Val	Lys	Phe		
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ttg	ccc	ctc	aag	aag	cag	cca	ggc	cag	сса	agg	ccc	acc	agc	aag	ccc	60	2
Leu	Pro	Leu	Lys	Lys	Gln	Pro	Gly	Gln	Pro	Arg	Pro	Thr	Ser	Lys	Pro		
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ccc	gcc	agt	ggc	gca	gca	gcc	aac	gtc	agc	acc	agc	ggc	atc	acc	ccg	65	0
Pro	Ala	Ser	Gly	Ala	Ala	Ala	Asn	Val	Ser	Thr	Ser	Gly	Ile	Thr	Pro		
		155					160					165					
ggc	cag	gca	get	gcc	atc	gcc	tcg	acc	acc	atc	atg	gtg	ccc	ttc	ggc	69	8

Gly Gln Ala Ala Ile Ala Ser Thr Thr Ile Met Val Pro Phe Gly	
170 175 180	
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Leu Ile Phe Ile Val Phe Ala Val His Phe Tyr Arg Ser Leu Val Ser	
185 190 195 200	
cat aag acc gac cga cag ttc cag gag ctc aac gag ctg gcg gag ttt	794
His Lys Thr Asp Arg Gln Phe Gln Glu Leu Asn Glu Leu Ala Glu Phe	
205 210 215	
gcc cgc tta cag gac cag ctg gac cac aga ggg gac cac ccc ctg acg	842
Ala Arg Leu Gln Asp Gln Leu Asp His Arg Gly Asp His Pro Leu Thr	
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ccc ggc agc cac tat gcc taggcccatg tggtctgggc ccttccagtg	890
Pro Gly Ser His Tyr Ala	
235	
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<212> DNA

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<220>

<221> CDS

<222> (282)...(1400)

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Met Leu Ala Asn 1 age tee tea ace aac agt tet gtt ete eeg tgt eet gae tae ege eeg geg 10 10 10 10 10 10 10 10 10 1	gtccctgca	g ccat	agccca	cattco	ccatg	acc	tccctct	gct	tgttt	tg q	ggac	catgtc	180
Met Leu Ala Asn 1 agc tcc tca acc aac agt tct gtt ctc ccg tgt cct gac tac cga cct 341 Ser Ser Ser Thr Asn Ser Ser Val Leu Pro Cys Pro Asp Tyr Arg Pro 5 10 15 20 acc cac cgc ctg cac ttg gtg gtc tac agc ttg gtg ctg gcc ggg 389 Thr His Arg Leu His Leu Val Val Tyr Ser Leu Val Leu Ala Ala Gly 25 30 35 ctc ccc ctc aac ggg cta gcc ctc tgg gtc ttc ctg ggc ggg ctg cgc 437 Leu Pro Leu Asn Ala Leu Ala Leu Trp Val Phe Leu Arg Ala Leu Arg 40 45 50 gtg cac tcg gtg gtg agc gtg tac atg tgt aac ctg gcg gcc agc gac 485 Val His Ser Val Val Ser Val Tyr Met Cys Asn Leu Ala Ala Ser Asp 55 60 65 ctg ctc ttc acc ctc tcg ctg ccc gtt cgt ctc tcc tac tac gca ctg 533 Leu Leu Phe Thr Leu Ser Leu Pro Val Arg Leu Ser Tyr Tyr Ala Leu 70 75 80 cac cac tgg ccc ttc ccc gac ctc ctg tgc cag acg acg gcc atc 581 His His Trp Pro Phe Pro Asp Leu Leu Cys Gln Thr Thr Gly Ala Ile 85 90 95 100 ttc cag atg aac atg tac ggc agc tgc atc ttc ctg atg ctc atc aac 629 Phe Gln Met Asn Met Tyr Gly Ser Cys Ile Phe Leu Met Leu Ile Asn 105 110 115 gtg gac ctg ctc ctg	tgtacagco	t ctag	gcccca	gcccc	ggagg	tga	atgccat	gcc	atgat	tc t	ggt	gtgctc	240
age tee tea acc acc agt tet gtt ete eeg tet eet gae tac ega eet 341 Ser Ser Ser Thr Asn Ser Ser Val Leu Pro Cys Pro Asp Tyr Arg Pro 5 10 15 20 acc cac ege etg eac ttg gtg gtc tac age ttg gtg etg gee geg 389 Thr His Arg Leu His Leu Val Val Tyr Ser Leu Val Leu Ala Ala Gly 25 30 35 ctc ecc etc acc geg eta gee etc teg gtg etc etc etg geg etge geg etg ege 437 Leu Pro Leu Asn Ala Leu Ala Leu Trp Val Phe Leu Arg Ala Leu Arg 40 45 50 gtg eac teg gtg gtg age gtg tac atg tgt acc etg geg ec age gac 485 Val His Ser Val Val Ser Val Tyr Met Cys Asn Leu Ala Ala Ser Asp 55 60 65 ctg etc ttc acc etc teg etg ecc gtt egt etc tec tac tac gea etg Leu Phe Thr Leu Ser Leu Pro Val Arg Leu Ser Tyr Tyr Ala Leu 70 75 80 cac cac tgg ecc tte ecc gac etc etg tge eag acg acg acg acg gee acc eac etg eac eac tgg eac etc etc etg etg eac etc etg tge eac acg acg acg acg acg etc etc eac acc etg eac etc etc etc etc etg etg ecc etc etc etc etc etc etc etc etc etc	catggcatc	c ccag	cctagc	tcccaa	atccc	act	ttggcac	g a	tg tt	a go	cc aa	ac	293
age tee tea acc aac agt tet gtt ete eeg tgt eet gae tae ega eet Ser Ser Ser Thr Asn Ser Ser Val Leu Pro Cys Pro Asp Tyr Arg Pro 5 10 15 20 acc eac ege etg eac ttg gtg gte tae age ttg gtg etg gee gee ggg 389 Thr His Arg Leu His Leu Val Val Tyr Ser Leu Val Leu Ala Ala Gly 25 30 35 ctc ecc etc aac gee etg eac etc tgg gte tte etg ege gee etg ege 437 Leu Pro Leu Asn Ala Leu Ala Leu Trp Val Phe Leu Arg Ala Leu Arg 40 45 50 gtg eac teg gtg gtg age gtg tae atg tgt aac etg gee gee age gac 485 Val His Ser Val Val Ser Val Tyr Met Cys Asn Leu Ala Ala Ser Asp 55 60 65 ctg etc tte acc etc teg etg eec gtt egt etc tec tae tae gea etg Leu Leu Phe Thr Leu Ser Leu Pro Val Arg Leu Ser Tyr Tyr Ala Leu 70 75 80 cac eac tgg eec tte eec gae etc etg tge eag aeg aeg gge gee atc 581 His His Trp Pro Phe Pro Asp Leu Leu Cys Gln Thr Thr Gly Ala Ile 85 90 95 100 tte eag atg aac atg tae gge age tge atc tte etg atg etc atc aac 629 Phe Gln Met Asn Met Tyr Gly Ser Cys Ile Phe Leu Met Leu Ile Asn 105 110 115 gtg gae ege tae gge eac etg gtg eac etg etg etg etg etg eac etg								М	et Le	eu Al	la As	sn	
Ser Ser Ser Thr Asn Ser Ser Val Leu Pro Cys Pro Asp Tyr Arg Pro 5 10 15 20 acc cac cgc ctg cac ttg gtg gtc tac agc ttg gtg ctg gct gcc ggg 389 Thr His Arg Leu His Leu Val Val Tyr Ser Leu Val Leu Ala Ala Gly 25 30 35 ctc ccc ctc aac gcg cta gcc ctc tgg gtc ttc ctg cgc gcg ctg cgc 437 Leu Pro Leu Asn Ala Leu Ala Leu Trp Val Phe Leu Arg Ala Leu Arg 40 45 50 gtg cac tcg gtg gtg agc gtg tac atg tgt aac ctg gcg gcc agc gac 485 Val His Ser Val Val Ser Val Tyr Met Cys Asn Leu Ala Ala Ser Asp 55 60 65 ctg ctc ttc acc ctc tcg ctg ccc gtt cgt ctc tcc tac tac gca ctg 533 Leu Leu Phe Thr Leu Ser Leu Pro Val Arg Leu Ser Tyr Tyr Ala Leu 70 75 80 cac cac tgg ccc ttc ccc gac ctc ctg tgc cag acg acg gcc atc 581 His His Trp Pro Phe Pro Asp Leu Leu Cys Gln Thr Thr Gly Ala Ile 85 90 95 100 ttc cag atg aac atg tac ggc agc tgc atc ttc ctg atg ctc atc aac 629 Phe Gln Met Asn Met Tyr Gly Ser Cys Ile Phe Leu Met Leu Ile Asn 105 110 115 gtg gac cgc tac ccc ctg Gcg ctg ccg ctg ccg ctg ccg ctg ccg ctg cfg cac ctg									1				
acc cac cgc ctg cac ttg gtg gtc tac agc ttg gtg ctg gcc gcc ggg 389 Thr His Arg Leu His Leu Val Val Tyr Ser Leu Val Leu Ala Ala Gly 25 30 35 ctc ccc ctc aac gcg cta gcc ctc tgg gtc ttc ctg cgc gcg ctg cgc 437 Leu Pro Leu Asn Ala Leu Ala Leu Trp Val Phe Leu Arg Ala Leu Arg 40 45 50 gtg cac tcg gtg gtg agc gtg tac atg tgt aac ctg gcg gcc agc gac 485 Val His Ser Val Val Ser Val Tyr Met Cys Asn Leu Ala Ala Ser Asp 55 60 65 ctg ctc ttc acc ctc tcg ctg ccc gtt cgt ctc tcc tac tac gca ctg Leu Leu Phe Thr Leu Ser Leu Pro Val Arg Leu Ser Tyr Tyr Ala Leu 70 75 80 cac cac tgg ccc ttc ccc gac ctc ctg tgc cag acg acg gcc atc 581 His His Trp Pro Phe Pro Asp Leu Leu Cys Gln Thr Thr Gly Ala Ile 85 90 95 100 ttc cag atg aac atg tac ggc agc tgc atc ttc ctg atg ctc atc aac 629 Phe Gln Met Asn Met Tyr Gly Ser Cys Ile Phe Leu Met Leu Ile Asn 105 110 115 gtg gac cgc tac gcc gcc atc gtg cac ctg ctg cgc ctg cgc ctc ctg	agc tcc t	ca acc	aac a	gt tct	gtt	ctc	ccg tgt	cct	gac	tac	cga	cct	341
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Thr His Arg Leu His Leu Val Val Tyr Ser Leu Val Leu Ala Ala Gly 25 30 35 ctc ccc ctc aac geg cta gcc ctc tgg gtc ttc ctg cgc gcg ctg cgc 437 Leu Pro Leu Asn Ala Leu Ala Leu Trp Val Phe Leu Arg Ala Leu Arg 40 45 50 gtg cac tcg gtg gtg agc gtg tac atg tgt aac ctg gcg gcc agc gac 485 Val His Ser Val Val Ser Val Tyr Met Cys Asn Leu Ala Ala Ser Asp 55 60 65 ctg ctc ttc acc ctc tcg ctg ccc gtt cgt ctc tcc tac tac gca ctg Leu Phe Thr Leu Ser Leu Pro Val Arg Leu Ser Tyr Tyr Ala Leu 70 75 80 cac cac tgg ccc ttc ccc gac ctc ctg tgc cag acg acg ggc gcc atc His His Trp Pro Phe Pro Asp Leu Leu Cys Gln Thr Thr Gly Ala Ile 85 90 95 100 ttc cag atg aac atg tac ggc agc tgc atc ttc ctg atg ctc atc aac 629 Phe Gln Met Asn Met Tyr Gly Ser Cys Ile Phe Leu Met Leu Ile Asn 105 110 115 gtg gac cgc tac gcc gcc atc gtg cac ctg ctg cac ctg cfg cac ctg 677	5		;	10			15	,				20	
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Ctc Ccc Ctc aac gcg Cta gcc Ctc tgg gtc ttc ctg cgc gcg ctg cgc 437	Thr His A	arg Leu	His Le	eu Val	Val	Tyr	Ser Leu	. Val	Leu	Ala	Ala	Gly	
Leu Pro Leu Asn Ala Leu Ala Leu Trp Val Phe Leu Arg Ala Leu Arg 40			25				30				35		
gtg cac tcg gtg gtg agc gtg tac atg tgt aac ctg gcg gcc agc gac 485 Val His Ser Val Val Ser Val Tyr Met Cys Asn Leu Ala Ala Ser Asp 55 60 65 ctg ctc ttc acc ctc tcg ctg ccc gtt cgt ctc tcc tac tac gca ctg 533 Leu Leu Phe Thr Leu Ser Leu Pro Val Arg Leu Ser Tyr Tyr Ala Leu 70 75 80 cac cac tgg ccc ttc ccc gac ctc ctg tgc cag acg acg ggc gcc atc 581 His His Trp Pro Phe Pro Asp Leu Leu Cys Gln Thr Thr Gly Ala Ile 85 90 95 100 ttc cag atg aac atg tac ggc agc tgc atc ttc ctg atg ctc atc aac 629 Phe Gln Met Asn Met Tyr Gly Ser Cys Ile Phe Leu Met Leu Ile Asn 105 110 115 gtg gac cgc tac gcc atc gtg cac ctg ctg ctg ctg ctg ctg ctg ctg ctg ct	ctc ccc c	tc aac	gcg c	ta gcc	ctc	tgg ·	gtc ttc	: ctg	cgc	gcg	ctg	cgc	437
gtg cac tcg gtg gtg agc gtg tac atg tgt aac ctg gcg gcc agc gac 485 Val His Ser Val Val Ser Val Tyr Met Cys Asn Leu Ala Ala Ser Asp 55 60 65 ctg ctc ttc acc ctc tcg ctg ccc gtt cgt ctc tcc tac tac gca ctg 533 Leu Leu Phe Thr Leu Ser Leu Pro Val Arg Leu Ser Tyr Tyr Ala Leu 70 75 80 cac cac tgg ccc ttc ccc gac ctc ctg tgc cag acg acg ggc gcc atc 581 His His Trp Pro Phe Pro Asp Leu Leu Cys Gln Thr Thr Gly Ala Ile 85 90 95 100 ttc cag atg aac atg tac ggc agc tgc atc ttc ctg atg ctc atc aac 629 Phe Gln Met Asn Met Tyr Gly Ser Cys Ile Phe Leu Met Leu Ile Asn 105 110 115 . gtg gac cgc tac ctg gcc cac ctg cgc ctg cgc ctg cgc ctg cgc cac ctg 677	Leu Pro L		Ala Le	eu Ala	Leu	_	Val Phe	Leu	Arg		Leu	Arg	
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Leu Leu Phe Thr Leu Ser Leu Pro Val Arg Leu Ser Tyr Tyr Ala Leu 70 75 80 cac cac tgg ccc ttc ccc gac ctc ctg tgc cag acg ggc gcc atc 581 His His Trp Pro Phe Pro Asp Leu Leu Cys Gln Thr Thr Gly Ala Ile 85 90 95 100 ttc cag atg aac atg tac ggc agc tgc atc ttc ctg atg ctc atc aac Phe Gln Met Asn Met Tyr Gly Ser Cys Ile Phe Leu Met Leu Ile Asn 105 110 115 gtg gac cgc tac gcc atc gtg cac ccg ctg cga ctg cgc cac ctg 677													522
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His His Trp Pro Phe Pro Asp Leu Leu Cys Gln Thr Thr Gly Ala Ile 85 90 95 100 ttc cag atg aac atg tac ggc agc tgc atc ttc ctg atg ctc atc aac Phe Gln Met Asn Met Tyr Gly Ser Cys Ile Phe Leu Met Leu Ile Asn 105 110 115 gtg gac cgc tac gcc gcc atc gtg cac ccg ctg cga ctg cgc cac ctg 677			.		a+-	a+	+~~		200	~~~	~~~	· . + a	501
85 90 95 100 ttc cag atg aac atg tac ggc agc tgc atc ttc ctg atg ctc atc aac 629 Phe Gln Met Asn Met Tyr Gly Ser Cys Ile Phe Leu Met Leu Ile Asn 105 110 115 . gtg gac cgc tac gcc gcc atc gtg cac ccg ctg cga ctg cgc cac ctg 677				_		_		_	-		_		301
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Phe Gln Met Asn Met Tyr Gly Ser Cys Ile Phe Leu Met Leu Ile Asn 105 110 115 gtg gac cgc tac gcc gcc atc gtg cac ccg ctg cga ctg cgc cac ctg 677		.+~ ~-			200	+~~			a+~	a+ =	a+~		629
105 110 115 · gtg gac cgc tac gcc gcc atc gtg cac ccg ctg cga ctg cgc cac ctg 677	_	_	_		_	_							029
gtg gac cgc tac gcc gcc atc gtg cac ccg ctg cga ctg cgc cac ctg 677	rne Gin M	iet ASN		ат дтд	Set	-		. neu	net	ъeи			
	ata asa s	rac tac		ac atc	ata			ו העה	cta	cac			677
	gry yac c	yc cac	gee ge	u alc	gra	cac			ccy	cyc	cac	ccy	

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Pro	Ser	Trp	Arg	Thr	Glu											
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Met Ser Ala Leu Trp Leu Leu Gly Leu Leu Ala Leu Met	
1 5 10	
gac ttg tct gaa agc agc aac tgg gga tgc tat gga aac atc caa agc	335
Asp Leu Ser Glu Ser Ser Asn Trp Gly Cys Tyr Gly Asn Ile Gln Ser	
15 20 25 30	
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Leu Asp Thr Pro Gly Ala Ser Cys Gly Ile Gly Arg Arg His Gly Leu	
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Asn Tyr Cys Gly Val Arg Ala Ser Glu Arg Leu Ala Glu Ile Asp Met	
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Pro Tyr Leu Leu Lys Tyr Gln Pro Met Met Gln Thr Ile Gly Gln Lys	
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Tyr Cys Met Asp Pro Ala Val Ile Ala Gly Val Leu Ser Arg Lys Ser	

85

ccc ggt gac aaa att ctg gtc aac atg ggc gat agg act agc atg gtg

80

90

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Val	Ser	Gln	Thr	Thr	Glu	Val	Leu	Thr	Thr	Arg	Ile	Lys	Glu	Ile	Gln	
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Arg	Arg	Phe	Pro	Thr	Trp	Thr	Pro	Asp	Gln	Tyr	Leu	Arg	Gly	Gly	Leu	
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Cys	Ala	Tyr	Ser	Gly	Gly	Ala	Gly	Tyr	Val	Arg	Ser	Ser	Gln	Asp	Leu	
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Arg	His	Gly	Phe													
ctc	22+0	7++ 2	cac	arat:		acta	rccaa	. aa	rcac	rtat	aact	taaa:	aat (rtaa	gtttga	930
		-		_						Jugu	aacı	-999	<i>.</i> u. (cya	geeega	
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110

105

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Trp	Pro	Asn	Ala	Ser	Gln	Ala	Ile	Ser	Ile	Ala	Phe	Pro	Thr	Leu	Gly	
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Tyr	Thr	Ser	Val	Val	Met	Ser	Phe	Ser	Ile	Leu	Met	Ser	Ser	Lys	Ser	
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Val	Asn	Ile	Ala	Val	Ser	Leu	Leu	Thr	Ala	Asn	Val	Trp	Phe	Ile	Ile	
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Val	Thr	Phe	Phe	Ser	His	Phe	Phe	Tyr	Leu	Ser	Leu	Phe	Phe	Trp	Met	
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Arg	Met	Met	Lys	Ser	Arg	Met	Met	Val	Ile	Gly	Phe	Ala	Ile	Gly	Tyr	
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Glu	Asn	Gly	Tyr	Met	Arg	Pro	Glu	Ala	Cys	Trp	Leu	Asn	Trp	Asp	Asn	
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Thr	Lys	Ala	Leu	Leu	Ala	Phe	Ala	Ile	Pro	Ala	Phe	Val	Ile	Val	Ala	
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Phe Gly Ile Ala Thr Leu Ile Glu Gly Thr Ser Leu Thr Phe His Ile	
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ggg cta cc	c tgg	ggg c	ag cct	cac	cta	ggg	ctg	cag	atg	ctc	ctc	ctg	224	
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